Diego Ayala

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9444220/publications.pdf

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53 papers	2,688 citations	218677 26 h-index	223800 46 g-index
61 all docs	61 docs citations	61 times ranked	2992 citing authors

#	Article	IF	Citations
1	A targeted amplicon sequencing panel to simultaneously identify mosquito species and Plasmodium presence across the entire Anopheles genus. Molecular Ecology Resources, 2022, 22, 28-44.	4.8	18
2	Larval habitat determines the bacterial and fungal microbiota of the mosquito vector Aedes aegypti. FEMS Microbiology Ecology, 2022, 98, .	2.7	17
3	Transposable element variants and their potential adaptive impact in urban populations of the malaria vector Anopheles coluzzii. Genome Research, 2022, 32, 189-202.	5.5	5
4	Diurnal biting of malaria mosquitoes in the Central African Republic indicates residual transmission may be â€œout of controlâ€: Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2104282119.	7.1	44
5	Discovery of Ongoing Selective Sweeps withinAnophelesMosquito Populations Using Deep Learning. Molecular Biology and Evolution, 2021, 38, 1168-1183.	8.9	25
6	Population genomics in the arboviral vector Aedes aegypti reveals the genomic architecture and evolution of endogenous viral elements. Molecular Ecology, 2021, 30, 1594-1611.	3.9	37
7	Inversion breakpoints and the evolution of supergenes. Molecular Ecology, 2021, 30, 2738-2755.	3.9	36
8	The origin of island populations of the African malaria mosquito, Anopheles coluzzii. Communications Biology, 2021, 4, 630.	4.4	7
9	Ecological plasticity to ions concentration determines genetic response and dominance of Anopheles coluzzii larvae in urban coastal habitats of Central Africa. Scientific Reports, 2021, 11, 15781.	3.3	7
10	Intraspecific Transcriptome Variation and Sex-Biased Expression in Anopheles arabiensis. Genome Biology and Evolution, 2021, 13, .	2.5	3
11	Experimental infections with Zika virus strains reveal high vector competence of Aedes albopictus and Aedes aegypti populations from Gabon (Central Africa) for the African virus lineage. Emerging Microbes and Infections, 2021, 10, 1244-1253.	6.5	1
12	Larval sites of the mosquito Aedes aegypti formosus in forest and domestic habitats in Africa and the potential association with oviposition evolution. Ecology and Evolution, 2021, 11, 16327-16343.	1.9	16
13	Climate and Urbanization Drive Mosquito Preference for Humans. Current Biology, 2020, 30, 3570-3579.e6.	3.9	153
14	Genetic structure of the mosquito Aedes aegypti in local forest and domestic habitats in Gabon and Kenya. Parasites and Vectors, 2020, 13, 417.	2.5	16
15	Exome-wide association study reveals largely distinct gene sets underlying specific resistance to dengue virus types 1 and 3 in Aedes aegypti. PLoS Genetics, 2020, 16, e1008794.	3.5	13
16	Microbial community structure reveals instability of nutritional symbiosis during the evolutionary radiation of Amblyomma ticks. Molecular Ecology, 2020, 29, 1016-1029.	3.9	48
17	Title is missing!. , 2020, 16, e1008794.		0
18	Title is missing!. , 2020, 16, e1008794.		0

#	Article	IF	Citations
19	Title is missing!. , 2020, 16, e1008794.		0
20	Title is missing!. , 2020, 16, e1008794.		0
21	Whole-genome sequencing reveals high complexity of copy number variation at insecticide resistance loci in malaria mosquitoes. Genome Research, 2019, 29, 1250-1261.	5.5	79
22	A new species in the major malaria vector complex sheds light on reticulated species evolution. Scientific Reports, 2019, 9, 14753.	3.3	56
23	Tolerance of diseaseâ€vector mosquitoes to brackish water and their osmoregulatory ability. Ecosphere, 2019, 10, e02783.	2.2	20
24	Natural Wolbachia infections are common in the major malaria vectors in Central Africa. Evolutionary Applications, 2019, 12, 1583-1594.	3.1	36
25	In Silico Karyotyping of Chromosomally Polymorphic Malaria Mosquitoes in the Anopheles gambiae Complex. G3: Genes, Genomes, Genetics, 2019, 9, 3249-3262.	1.8	24
26	Association mapping desiccation resistance within chromosomal inversions in the African malaria vector Anopheles gambiae. Molecular Ecology, 2019, 28, 1333-1342.	3.9	51
27	Population structure of a vector of human diseases: Aedes aegypti in its ancestral range, Africa. Ecology and Evolution, 2018, 8, 7835-7848.	1.9	57
28	Chromosome inversions and ecological plasticity in the main African malaria mosquitoes. Evolution; International Journal of Organic Evolution, 2017, 71, 686-701.	2.3	51
29	Exploring the diversity of blood-sucking Diptera in caves of Central Africa. Scientific Reports, 2017, 7, 250.	3.3	12
30	â€œShow me which parasites you carry and I will tell you what you eatâ€; or how to infer the trophic behavior of hematophagous arthropods feeding on wildlife. Ecology and Evolution, 2017, 7, 7578-7584.	1.9	12
31	Dissecting functional components of reproductive isolation among closely related sympatric species of the Anopheles gambiae complex. Evolutionary Applications, 2017, 10, 1102-1120.	3.1	39
32	Carryover effects of larval exposure to different environmental bacteria drive adult trait variation in a mosquito vector. Science Advances, 2017, 3, e1700585.	10.3	172
33	Genetic diversity of the African malaria vector Anopheles gambiae. Nature, 2017, 552, 96-100.	27.8	288
34	Chapitre 10. Les anophÃ¨les (DipteraÂ: CulicidaeÂ: Anophelinae). , 2017, , 181-241.		1
35	Tracking zoonotic pathogens using blood-sucking flies as 'flying syringes'. ELife, 2017, 6, .	6.0	35
36	A molecular study of the genus Spelaeomyia (Diptera: Phlebotominae) with description of the male of Spelaeomyia moucheti. Parasites and Vectors, 2016, 9, 367.	2.5	3

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37	Ape malaria transmission and potential for ape-to-human transfers in Africa. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5329-5334.	7.1	59
38	Bat flies (Diptera: Nycteribiidae and Streblidae) infesting cave-dwelling bats in Gabon: diversity, dynamics and potential role in Polychromophilus melanipherus transmission. Parasites and Vectors, 2016, 9, 333.	2.5	36
39	Global genetic diversity of Aedes aegypti. Molecular Ecology, 2016, 25, 5377-5395.	3.9	195
40	An ace-1 gene duplication resorbs the fitness cost associated with resistance in Anopheles gambiae, the main malaria mosquito. Scientific Reports, 2015, 5, 14529.	3.3	52
41	Habitat segregation and ecological character displacement in cryptic African malaria mosquitoes. Evolutionary Applications, 2015, 8, 326-345.	3.1	75
42	Adaptation through chromosomal inversions in Anopheles. Frontiers in Genetics, 2014, 5, 129.	2.3	75
43	Description of Anopheles gabonensis, a new species potentially involved in rodent malaria transmission in Gabon, Central Africa. Infection, Genetics and Evolution, 2014, 28, 628-634.	2.3	11
44	REPRODUCTIVE ISOLATION AND LOCAL ADAPTATION QUANTIFIED FOR A CHROMOSOME INVERSION IN A MALARIA MOSQUITO. Evolution; International Journal of Organic Evolution, 2013, 67, 946-958.	2.3	84
45	Population genetic structure of the malaria vector Anopheles funestus, in a recently re-colonized area of the Senegal River basin and human-induced environmental changes. Parasites and Vectors, 2012, 5, 188.	2.5	16
46	Chromosomal and environmental determinants of morphometric variation in natural populations of the malaria vector Anopheles funestus in Cameroon. Infection, Genetics and Evolution, 2011, 11, 940-947.	2.3	51
47	Chromosomal Inversions, Natural Selection and Adaptation in the Malaria Vector Anopheles funestus. Molecular Biology and Evolution, 2011, 28, 745-758.	8.9	62
48	Population genetic structure of the malaria vector Anopheles nili in sub-Saharan Africa. Malaria Journal, 2010, 9, 161.	2.3	34
49	Living at the edge: biogeographic patterns of habitat segregation conform to speciation by niche expansion in Anopheles gambiae. BMC Ecology, 2009, 9, 16.	3.0	174
50	Ecological niche partitioning between Anopheles gambiae molecular forms in Cameroon: the ecological side of speciation. BMC Ecology, 2009, 9, 17.	3.0	211
51	Habitat suitability and ecological niche profile of major malaria vectors in Cameroon. Malaria Journal, 2009, 8, 307.	2.3	84
52	Population structure of the malaria vector Anopheles funestus (Diptera: Culicidae) in Madagascar and Comoros. Acta Tropica, 2006, 97, 292-300.	2.0	25
53	Advances and Perspectives in the Study of the Malaria Mosquito Anopheles funestus. , 0, , .		34